IMPLICATIONS OF TRANSFER OF NAVY WATER RIGHTS TO PYRAMID LAKE

Section 206(c) of Public Law 101-618, requires the Secretary of the Navy to undertake a study of water rights owned by the Naval Air Station, Fallon, to determine if water deliveries to that area can be safely reduced. water saving resulting from implementation of suggested efficiency management options, are to be used by the Secretary of the Interior for the benefit of fish and wildlife resources at both Pyramid Lake and the Lahontan Valley wetlands as referenced in the bill under sections 206 and 207.

Currently the Navy is in possession of 2,934 acres of water righted land, with a headgate entitlement of 10,269 acre feet of water. All lands within the Naval Air Station are classified as bottom lands with a water duty of 3.5 acre feet per acre. These water rights are being leased to local farmers to grow alfalfa and pasture which provide dust control, fire abatement and safety, and foreign object damage control.

In conversations with Navy personnel, they have indicated that they may be able to save up to 30% of their water demands through changes in farming practices on the base. Conversations with Chester Buchanan of the Fish and Wildlife Service representatives indicate that he is planning on transferring 100% of the Navy water to Pyramid Lake for Cui-ui recovery. These represent the two extremes in the thinking of what could be transferred off of the Navy lands. If all water is transferred to Pyramid Lake and none allowed to be transferred to the wetlands, then significant impacts to the wetlands will occur unless addition water is purchased. (See Table Below)

% Reduction in Navy Water Bights	Acre Feet of Water Right	Reduced Total Diversions From Lahontan Reservoir	Reduced Inflow to LV Wetlands	Reduced Inflow to Primary Wetlands	Estimated Net Gain to Pyramid Lake	Impact on Newlands Project Efficiency
100%	10,269 ac/ft	15,993 ac/ft	6,029 ac/ft	4,022 ac/ft	15,993 ac/ft	-1.4%
50%	5,135 ac/ft	7,996 ac/ft	3,015 ac/ft	2,011 ac/ft	7,996 ac/ft	-0.75
30\$	3,080 ac/ft	4,797 ac/ft	1,808 ac/ft	1,206 ac/ft	4,797 ac/ft	-0.4%

(Calculations based upon attached model sheets)

The 1912-91 average annual flow on the Carson River just above Lahontan Reservoir has been 285,324 acre feet. Water released from Lahontan in 1989, which was the last 100% allocation year, was 321,729 acre feet. 321,729 were representative of future average annual releases in normal water years, then the flow of the Carson River would be equal to 88.7% of the water used on the Carson Division of the Newlands Project, not including evaporation losses on Lahontan Reservoir. This means is that the water used on the Fallon Naval Air Station is made up of a high percentage of Carson River water and to transfer the total amount to Pyramid Lake could be thought of as an interbasin water transfer from the Carson to the Truckee system.

Transferring of 100% of the Navy's water right will cause a decrease in Newlands Project efficiency by approximately 1.4%, because basic system losses will remain virtually unchanged and there will be 2,934 acres less land in production. While 1.4% doesn't sound like much, and in actuality can't be 007044

measured with current techniques, it amounts to between approximately 4,360 and 3,950 acre feet of water which the project will be required to save or make up just to maintain their efficiency rate. A high percentage of those savings will probably have to come from pump back of drain water which would have entered the wetlands.

Additionally, transfers of the total Navy water to Pyramid Lake would not only impact flight operations at the Naval Air Station but would have other adverse impact on the wetlands. Return flows to the wetlands which have historically accrued from the water used on the Navy land would be lost and will have to be made up by acquisition of additional water rights. Rather than purchase additional water rights from private agriculture, an amount of water equal to what had accrued to the wetlands from return flows could be transferred to both Stillwater and Carson Lake.

Just these two factors could reduce wetland inflows by up to 10,390 acre feet of water annually if 100% of the Navy water rights are transferred to Pyramid Lake. Under the 30% transfer scenario, wetland losses would still amount up to approximately 3,070 acre feet annually. In the past, both the Federal Government and the State of Nevada have been required to make transfers of water rights to the wetlands in such a way that there were no negative impacts to Pyramid Lake inflows. Currently wetland water transfers are being made under constraints which are actually providing water to Pyramid because of the reduced transfer rate. This same consideration should also apply to water right transfers to Pyramid Lake and any transfer should be adjusted to neutralize wetland impacts. The maximum amount of water estimated which would need to be acquired for the wetlands to offset the losses created by the Navy water transfer to the Truckee could amount to as much 12,162 acrefeet because of the reduced wetland transfer rate. The cost under the worst case scenario to acquire the replacement water would be \$416,967.00 at \$1,200.00 per water righted acre.

It seems hard to justify this transfer to the Truckee River system in light of the impacts to the Lahontan Valley wetlands, the cost of mitigating those impacts, and the fact that a high percentage of the water used on the Navy lands is actually Carson River water. A better option may be to transfer all water savings to the wetlands and use the money saved toward the purchase water rights from either the Truckee Division of the Newlands Project or from Truckee River water right holders.

CARSON RIVER DATA

1912-91 Average annual flow on calendar year @ Fort Churchill - 285,324 ac/ft
1989 releases from Lahontan Reservoir (Yardis model) - 321,729 ac/ft
Simulated 80 year OCAP - JROD - (Yardis model) - 284,850 ac/ft

Ratio of Carson River inflow to Lahontan Releases 1989 - 285,324/321,729 = 88.7%
JROD OCAP simulation - 285,324/284,850 = 100.2%

NAVY WATER RIGHTS

2,934 water righted acres @ 3.5 ac/ft/ac = 10,269 ac/ft 50% Reduction = 5,135 ac/ft 30% Reduction = 3,080 ac/ft

EFFICIENCY REDUCTIONS.

Head gate entitlement on Carson Division

- 197,110 ac/ft

1989 efficiency rate = 61.3% (197,110/321,596 = 61.3)

100% Transfer-

321,729-10,269 = 311,460 ac/ft 197,110-10,269 = 186,841 ac/ft 186,841/311,460 = 59.9% 61.3-59.9 = 1.4% reduction in efficiency $1.4 \times 311,460 = 4,360$ ac/ft savings needed to maintain eff.

30% Transfer-

321,729-3,080 = 318,649 ac/ft 197,110-3,080 = 194,030 ac/ft 194,030/318,649 = 60.9% 61.3-60.9 = .4% reduction in efficiency $0.4 \times 318,640 = 1,275$ ac/ft saving needed to maintain eff.

MONTAN VALLEY WETLANDS INFLOWS AT ALTERNATE TRANSFER RATES

RIABLES

1467.00 ACRES of WATER RIGHT TRANSFERRED

NAVY WATER RIGHTS - 50% TRANSFERRED

95.0% Percent of water right allocation est. delivered to head gate

2. 61.0% Percent project efficiency

3. 37.7% Percent of total diversions received by wetlands as return flows

4. 66.7% Percent of est, return flows to primary wetlands

5. 97.5% Percent of water right est, to be delivered to wetlands

	PRE-TRANSFER DATA							
	E	BENCH		В.	ВОТТОМ			
der Right Allocation per Acre	4.50	4.50	4.50	3,50	3,50	3,50		
Allocation per Acres Transferred	6601.5	6801.5	6601.5	5134,5	5134,5	5134.5		
Percent of allocation Delivered (1)	95,0%	95.0%	95.0%	95.0%	95.0%	95.0%		
Est. Acre feet Delivered	6,271	6,271	6,271	4,878	4,878	4,878		
Est. Projed Efficiency (2)	61,0%	61.0%	61.0%	61.0%	61.0%	61.0%		
Est. Total Project Diversions for Water right	10,281	10,281	10,281	7,998	7,996	7,996		
Est, Percent Received by LVW Wetlands (3)	37.7%	37.7%	37.7%	37.7%	37.7%	37.7%		
Est. Total LVW Inflow	3,876	3,876	3,876	3,015	3,015	3,015		
est four Erm amon	,,,,,,	0,0,0	0,010	0,0101		0,013		
Est. Percent of Inflow to Primary Wetlands (4)	66.7%	66.7%	66.7%	66.7%	66.7%	65.7%		
Est Age Feel Received by Primary Westands	2,585	2,585	2,585	2,011	2,011	2,011		
List Note I but Note that By I tilling Western		2,000		2,011	2,011	2,011		
				ļ				
Percent of Wetlands Inflow from Headgale (5)	33,3%	33.3%	33,3%	24.5%	24.5%	24.5%		
. Est. of Inflows Darived from Imigation	2,088	2,088	2,033	1,195	1,195	1,195		
Est. of Inflows Derived from Conveyance	1,788	1,788	1,788	1,820	1,820	1,820		
Ratio of Total Diversion / Conveyance Inflows	17.4%	17.4%	17.4%	22,8%	22,8%	22.8%		
	<u> </u>	POST-TRA	INSFER	ESTIMATES	5			
. Wollands Transfer Rale	4.50	3.50	2.99	3.50	2.99	0.00		
					•			
. Allocation in acre/real	6601.5	5,135	4,388	5,135	4,386	0		
Percent of Allocation Delivered (6)	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%		
. Acre Feel Delivered	6,436	5,006	4,277	- 5,006	4,277	0		
. Est Project Efficiency	61.0%	61.0%	61.0%	61.0%	61.0%	61.0%		
Est Total Associated Diversion	10,552	8,207	7,011	8,207	7,011	0		
Ratio of Total Div/Conv Inflow (#13)	17.4%	17.4%	17.4%	22.6%	22.8%	22.8%		
Est. Return Flows from conveyance losses	1,835	1,427	1,219	1,857	1,595			
. Est. Total Inflows to LV Wetlands	8,271	6,433	5,496	6,874	5,872	0		
Est Inflows to Primary Wellands	7.660	5,958	5,090	6,252	5,341	0		
Let Aldotte to I filling I (toballe)		3,300	2,030	0.232				
Est. Net Gain to LV Wetlands	4,395	2,557	1,620	3,859	2,857	-3,015		
Est Net Gain to Primary Wetlands	5,075	3,373	2,504	4,241	3,330	-2.011		
Nel Gain or Loss to Truckee Riv. (AC/FT)	-271	2,074	3,270	-210	985	7,996		
				4.0	203	. , , , , , ,		

AHONTAN VALLEY WETLANDS INFLOWS AT ALTERNATE TRANSFER RATES

NABLES

2934.00 ACRES of WATER RIGHT TRANSFERRED NAVY WATER RIGHTS - 100% TRANSFERRED

Percent of water right allocation est, delivered to head gate 1. 95.0% Percent project efficiency Z. 61.0%

3.

Percent of total diversions received by wellands as return flows 37.7%

Percent of est, return flows to primary wetlands 4. 68.7%

97.5% Percent of water right est, to be delivered to wetlands 5.

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	PRE-TRANSFER DATA					
		BENCH			воттом	
aler Right Allocation per Acre	4.50	4.50	4.50	3,50	3,50	3.50
Allocation per Acres Transferred	13203	13203	13203	10269	10269	10269
Percent of allocation Delivered (1)	95.0%	95.0%	95,0%	95,0%	95,0%	95.0%
Est. Acre feet Delivered	12,543	12,543	12,543	9,756	9,756	9,758
Est, Projed Efficiency (2)	61.0%	61.0%	61.0%	61.0%	61.0%	61.0%
Est. Total Project Diversions for Water right	20,562	20,562	20,552	15,993	15,993	15,993
Esl. Percent Received by LVW Wetlands (3)	37.7%	37.7%	37.7%	37.7%	37.7%	37.7%
Est, Total LVW Inflow	7,752	7,752	7,752	6,029	6,029	6,029
-	1,	1,,,02	· · · · · · ·	0.025	0,023	0,023
	1			1		
Est. Percent of Inflow to Primary Wetlands (4)	68.7%	66.7%	66.7%	66.7%	65.7%	66.7%
Est. Acre Feet Received by Primary Wellands	5,171	5,171	5,171	4,022	4,022	4,022
		•				
1. Percent of Wellands Inflow from Headgale (5)	33,3%	33,3%	33.3%	24.5%	24.5%	24.5%
. Est of Intows Derived from Intigation	4,177	4,177	4,177	2,390	2,390	2,390
. Est of Inflows Derived from Conveyance	3,575	3,575	3,575	3,639	3,639	3,639
. Ratio of Total Diversion / Conveyance Inflows	17.4%	17.4%	17.4%	22.8%	22,8%	22.8%
	,					
	-	POST-TRA	ANSFER	ESTIMATE:	5	
. Wellands Transfer Rate	4.50	3.50	2.99	3.50	2.99	0.00
Allocation in acreficet	13203	10,269	8,773	10,269	8,773	0
. Percent of Allocation Delivered (6)	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%
. Acre Feet Delivered	12,873	10,012	8,553	- 10,012	8,553	0
3. Est. Project Efficiency	61.0%	61,0%	61.0%	61.0%	61.0%	61.0%
. Est. Total Associated Diversion	21,103	16,414	14,022 .	16,414	14,022	. 0
. Ratio of Total Div/Cont Inflow (£13)	17.4%	17.4%	17.4%	22.8%	22.8%	22.8%
. Est. Return Flows from conveyance losses	3,669	2,854	2,438	3,735	3,191	0
		,				
L Est. Total Inflows to LV Wedlands	16,542	12,866	10,991	13,747	11,744	0
3. Est Inflows to Primary Wetlands	15.320	11,916	10,179	12,503	10,682	0
. Est. Net Gain to LV Wetands	8,790	5,114	3.239	7.718	5,715	-6.029
Est Net Gain to Primary Wellands	10,150	6.745	5,009	8,482	6,660	-4.022
Net Gain or Loss to Truckee Riv. (AC/FT)	-541	4,148	6,540	-421	1,971	15 002
The second of th	<u> </u>	1,170	0.540	-421	1,311	15,993

AHONTAN VALLEY WETLANDS INFLOWS AT ALTERNATE TRANSFER RATES

RIABLES

880.00 ACRES of WATER RIGHT TRANSFERRED NAVY WATER RIGHTS - 30% TRANSFERRED

1. 95.0% Percent of water right allocation est, delivered to head gate
2 51.0% Percent project efficiency
3. 37.7% Percent of total diversions received by wetlands as return flows
4. 56.7% Percent of est, return flows to primary wetlands
5. 97.5% Percent of water right est, to be delivered to wetlands

BENCH				IOSED D				
Valer Right Allocation per Acre 4.50 4.50 4.50 3.50 3.50 3.50 3.50 3.50 3.50 2. Allocation per Acres Transferred 9.800 3.800 3.800 3.800 3.800 3.800 3.800 2. Percent of allocation Delivered (1) 95.07% 95.07% 95.07% 95.07% 95.07% 95.07% 1. Est. Acre leel Delivered 1. Est. Project Effection (2) 61.0%		PRE-TRANSFER DATA						
Valer Right Allocation per Acres 1, Allocation per Acres 3880 3860 3880	·	BENCH						
1. Allocation per Acres Transferred 2. Percent of allocation Delivered (1) 3. Est. Area feet Delivered 5. Est. Project Efficiency (2) 5. Est. Total Project Diversions for Water right 5. Est. Project Efficiency (3) 6. Est. Project Efficiency (4) 6. Est. Project Efficiency (5) 6. Est. Total Project Diversions for Water right 6. Est. Project Efficiency (5) 6. Est. Project Diversions for Water right 6. Est. Project Diversion for Water right 6. Est. Project Diversion for Water right 6. Est. Percent Received by LVW Westands (8) 7. Est. Total VW Inflow 7. Est. Total VW Inflow 7. Est. Total UW Inflow 8. Est. Percent of Inflow to Primary Westands 8. Est. Percent of Inflow to Primary Westands 9. Est. Acre Feel Received by Primary Westands 1. Est. 1. Est. of Inflows Derived from Infigation 1. Est. of Inflows Derived from Infigation 1. Est. of Inflows Derived from Corneyance 1. Info 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Valer Right Allocation per A∝e	4,50	4,50	4.50	3,50	3.50	3,50	
2. Percent of allocation Delivered (1) 1. Est. Acre lee's Delivered 1. Est. Project Efficiency (2) 5. Est. Total Project Diversions for Water right 5. Est. Total Project Diversions for Water right 6. 167 6. 177 7. 177 7. 177 7. 187 7. 1	! Allocation per Acres Transferred	3960	. 3960	3960	9080	3080	•	
1. Est. Acre set Delivered 3,762 3,762 3,762 4,905 51,0%		95.0%	95.0%	95.0%	95.0%	95.0%		
Est, Project Efficiency (2) 61.0%		3,762	3,762	_3,762	2,926	2,926	=	
5. Est. Total Project Diversions for Water right 5. Est. Percent Received by LVW Wetlands (2) 7. Est. Total LVW Inflow 2.325 2.325 2.325 1.808 1.808 1.808 1.808 8. Est. Percent of Inflow to Primary Wetlands (4) 9. Est. Acra Feet Received by Primary Wetlands 1.551 1.551 1.551 1.551 1.206 1.206 1.206 10. Percent of Wetlands Inflow from Headgate (5) 11. Est. of Inflows Derived from Irrigation 12. Est. of Inflows Derived from Corresponce 1.072 1.072 1.072 1.072 1.091 1.091 1.091 13. Ratio of Total Diversion / Corresponce Inflows 14. Wetlands Transfer Rate 4.50 3.50 2.99 3.50 2.99 0.00 15. Allocation Delivered (6) 97.5% 9		61.0%	61.0%	61.0%	61.0%	61.0%		
3. Est. Percent Received by LVW Wetands (8) 37.7% 37.5% 37.5	5 Est Total Project Diversions for Water right	6,167	6,157	6,167	4,797	4,797	,	
7. Est. Total LVW Inflow 2,325	3. Est Percent Received by LVW Wetlands (3)	37 <i>.7</i> %	37.7%	37.7%	37.7%	37.7%	37.7% ————	
7. Est. Total LVW Inflow 8. Est. Percent of Inflow to Primary Wetlands (4) 9. Est. Acre Feet Received by Primary Wetlands 1,551 1,551 1,551 1,551 1,206 1,207 1,071 1,072 1,0					<u></u>			
8. Est. Percent of Inflow to Primary Wetlands (4) 9. Est. Acre Feet Received by Primary Wetlands 1,551 1,551 1,551 1,551 1,206 1,207 1,207 1,207 1,031	7. Est, Total LVW Inflow	2,325	2,325	2,325	1,808	1,808]	1,808	
8. Est. Percent of Inflow for Primary Wetlands 9. Est. Acre Feet Received by Primary Wetlands 1.551 1.551 1.551 1.551 1.551 1.551 1.551 1.206 1.	, -, , ,							
8. Est. Percent of Inflow for Primary Wetlands 9. Est. Acre Feet Received by Primary Wetlands 1.551 1.551 1.551 1.551 1.551 1.551 1.551 1.206 1.		بمدعه	66.754	66 754	66.7%	68.7%	65.7%	
10. Percent of Wetlands Inflow from Headgate (5) 11. Est. of Inflows Derived from Corresponde 11. Est. of Inflows Derived from Corresponde 11. Post of Inflows Derived from Corresponde 12. Post of Total Diversion / Corresponde Inflows 17. Post of Total Diversion / Corresponde Inflows 18. Allocation in accepted 19. Percent of Allocation Delivered (6) 19. Percent of Allocation Delivered 19. Percent of Allocation Delivered 19. Post of Total Diversion 19. Est. Project Efficiency 19. Est. Project Efficiency 19. Est. Total Associated Diversion 19. Post Total Div/Corr Inflow (£13) 11. Post Total Div/Corr Inflow (£13) 11. Post Total Div/Corr Inflow (£13) 11. Est. Refurn Flows from conveyance losses 11. Inflows to LV Wetlands 11. Post Total Div/Corr Inflow Wetlands 12. Est. Net Gain to LV Wetlands 13. O44 2.023 1.502 14. Est. Net Gain to LV Wetlands 15. Allocation Div/Corr Inflow Wetlands 16. Post Total Div/Corr Inflow Wetlands 17. Post Total Div/Corr Inflow Wetlands 18. Est. Net Gain to LV Wetlands 19. Est. Refurn Flows from conveyance losses 19. Est. Net Gain to LV Wetlands 19. Est. Net Gain to LV Wetlands 19. Est. Post Delivered 19. Est. Post D								
10. Percent of Wetlands Inflow from Headgale (5) 11. Est. of Inflows Derived from Imgalion 12. Est. of Inflows Derived from Conveyance 13. Ratio of Total Diversion / Conveyance Inflows 17.4% 17.4% 17.4% 22.6% 22.5% 22.6% POST-TRANSFER ESTIMATES 14. Wetlands Transfer Rate 4.50 3.50 2.99 3.50 2.99 0.00 15. Allocation in acreficed 3960 3.080 2.631 3.080 2.631 0.10 16. Percent of Allocation Delivered (6) 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 17. Acre Feet Delivered 3.081 3.003 2.585 3.003 2.585 0.10 17. Acre Feet Delivered 61.0% 6	9. Est. Acre Feel Received by Primary Wellands	1,551	1,001	1,331	1,200	1,200	,,===	
10. Percent of Wetlands Inflow from Headgale (5) 11. Est. of Inflows Derived from Imgalion 12. Est. of Inflows Derived from Conveyance 13. Ratio of Total Diversion / Conveyance Inflows 17.4% 17.4% 17.4% 22.6% 22.5% 22.6% POST-TRANSFER ESTIMATES 14. Wetlands Transfer Rate 4.50 3.50 2.99 3.50 2.99 0.00 15. Allocation in acreficed 3960 3.080 2.631 3.080 2.631 0.10 16. Percent of Allocation Delivered (6) 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 17. Acre Feet Delivered 3.081 3.003 2.585 3.003 2.585 0.10 17. Acre Feet Delivered 61.0% 6								
11. Est, of Inflows Derived from Imgalion 12. Est, of Inflows Derived from Conveyance 1.072 1.072 1.072 1.091 1.091 1.091 13. Ratio of Total Diversion / Conveyance Inflows 17.4% 17.4% 17.4% 22.8% 22.8% 22.8% 22.8% POST-TRANSFER ESTIMATES 14. Wellands Transfer Rate 4.50 3.50 2.99 3.50 2.99 0.00 15. Allocation in acrefice1 3960 3.080 2.631 3.080 2.631 0.080 16. Percent of Allocation Delivered (6) 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 17. Acre Feet Delivered 3.861 3.003 2.565 3.003 2.565 0.003 18. Est, Project Efficiency 61.0% 61.0	to Headale (5)	33.3%	33,3%	33,3%	24.5%	24.5%	24.5%	
11. Est. of Inflows Derived from Correspance 1.072 1.072 1.072 1.072 1.081 1.081 1.081 13. Ratio of Total Diversion / Correspance Inflows 17.4% 17.4% 17.4% 22.8% 22.8% 22.8% POST-TRANSFER ESTIMATES 14. Wellands Transfer Rate 4.50 3.50 2.99 3.50 2.99 0.00 15. Allocation in acreficed 3.600 2.631 3.080 2.631 0.00 16. Percent of Allocation Delivered (6) 97.5% 97.5		F	1,253	1,253	717	• 717	717	
12 12 13 13 15 15 15 15 15 15		1	•	1,072	1,091	1,091	1,091	
POST-TRANSFER ESTIMATES 4.50 3.50 2.99 3.50 2.99 0.00		1		•	22,8%	. 22,8%	22,8%	
14. Wellands Transfer Rate 4.50 3.50 2.99 3.50 2.99 0.00 15. Allocation in accelled 3960 3,080 2,631 3,080 2,631 0 3,080 16. Percent of Allocation Delivered (6) 17. Acre Feel Delivered 18. Est. Project Efficiency 19. Est. Total Associated Diversion 20. Ratio of Total Div/Conr Inflow (£13) 21. Est. Return Flows from conveyance losses 22. Est. Total Inflows to LV Wellands 23. Est Inflows to Primary Wellands 24. Est. Net Gain to Primary Wellands 25. Net Gain to Primary Wellands 26. Salo 3,080 2,631 3,080 2,631 3,080 2,631 0 0 0,75% 97.	13. Ratio of Total Diversion Contrigues and the							
15. Allocation in acrejiesi 16. Percent of Allocation Delivered (6) 17. Acre Feet Delivered 18. Est. Project Efficiency 19. Est. Total Associated Diversion 20. Ratio of Total Div/Conr Inflow (#13) 21. Est. Return Flows from conveyance losses 22. Est. Total Inflows to LV Wetlands 23. Est Inflows to Primary Wetlands 24. Est. Net Gain to Primary Wetlands 25. Net Gain to Primary Wetlands 26. Allocation in acrejiesi 27. Acre Feet Delivered 28. Sp. 97.5% 29.5% 27.		F	OST-TRA	NSFER	ESTIMATES	5		
15. Allocation in acrejiesi 16. Percent of Allocation Delivered (6) 17. Acre Feet Delivered 18. Est. Project Efficiency 19. Est. Total Associated Diversion 20. Ratio of Total Div/Conr Inflow (#13) 21. Est. Return Flows from conveyance losses 22. Est. Total Inflows to LV Wetlands 23. Est Inflows to Primary Wetlands 24. Est. Net Gain to Primary Wetlands 25. Net Gain to Primary Wetlands 26. Allocation in acrejiesi 27. Acre Feet Delivered 28. Sp. 97.5% 29.5% 27.		- 						
15. Allocation in acrefieel 16. Percent of Allocation Delivered (6) 17. Acre Feel Delivered 18. Est. Project Efficiency 19. Est. Total Associated Diversion 20. Ratio of Total Div/Conr Inflow (#13) 21. Est. Return Flows from conveyance losses 22. Est. Total inflows to LV Wetlands 23. Est Inflows to Primary Wetlands Net Gain to Primary Wetlands Net Gain to Primary Wetlands 15. Allocation in acrefieel 3960 3,680 2,631 3,080 2,631 3,080 2,631 97.5% 97	14 Wollande Transfer Raie	4.50	3.50	2.99	3.50	2.99	0.00	
15. Allocation in accepted 16. Percent of Allocation Delivered (6) 17. Acre Feet Delivered 18. Est. Project Efficiency 19. Est. Total Associated Diversion 20. Ratio of Total Div/Conr Inflow (£13) 21. Est. Return Flows from conveyance losses 22. Est. Total Inflows to LV Wetlands 23. Est Inflows to Primary Wetlands 24. Est. Net Gain to LV Wetlands Net Gain to Primary Wetlands 15. Allocation in accepted 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5% 97.5	14. Address to the last the							
16. Percent of Allocation Delivered (6) 17. Acre Feet Delivered 18. Est. Project Efficiency 19. Est. Total Associated Diversion 20. Ratio of Total Div/Conr Inflow (#13) 21. Est. Return Flows from conveyance losses 22. Est. Total inflows to LV Wetlands 23. Est Inflows to Primary Wetlands 24. Est. Net Gain to LV Wetlands Net Gain to Primary Wetlands 27. S% 27. S%	f 15 Allocation in acceded	3960	3,080	2,631	3,080		0	
17. Acre Feel Delivered 18. Est. Project Efficiency 19. Est. Total Associated Diversion 20. Ratio of Total Div/Conr Inflow (#13) 21. Est. Return Flows from conveyance losses 22. Est. Total Inflows to LV Welfands 23. Est Inflows to Primary Welfands Net Gain to Primary Welfands 24. Est. Net Gain to LV Welfands Net Gain to Primary Welfands 25. Set 1.003 27. Set 1.003 27. Set 1.003 28. Set 1.003 29. Set 1.003 20. Ratio of Total Div/Conr Inflow (#13) 21. Est. Return Flows from conveyance losses 20. Ratio of Total Div/Conr Inflow (#13) 21. Est. Total Inflows to LV Welfands 22. Est. Total Inflows to LV Welfands 23. Est Inflows to Primary Welfands 24. Est. Net Gain to LV Welfands 25. Net Gain to Primary Welfands 26. Set 1.534 27. Set 1.714 28. Set 1.714 29. Set 1.714 20. Set 1.714 2		97.5%	97.5%	97.5%	97.5%	97.5%		
18. Est. Project Efficiency 19. Est. Total Associated Diversion 19. Est. Total Associated Diversion 19. Est. Total Div/Conr Inflow (#13) 17.4% 17.4% 17.4% 17.4% 17.4% 17.4% 17.4% 22.8% 2		3,861	3,003	2,565	3,003	2,565	_	
19. Est. Total Associated Diversion . 6,830 4,923 4,26 4,923 4,26 22.8%		61.0%	61.0%	61.0%	61.0%	61.0%		
20. Ratio of Total Div/Conr inflow (#13) 21. Est. Return Flows from conveyance losses 22. Est. Total inflows to LV Wetlands 23. Est inflows to Primary Wetlands 24. Est. Net Gain to LV Wetlands Net Gain to Primary Wetlands 27. Ratio of Total Div/Conr inflow (#13) 17.4% 1.120 957 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19 Est Total Associated Diversion	6,330	4,923	4,206	4,923	4,206	•	
21. Est. Return Flows from conveyance losses 1,101 856 731 1,120 957 22. Est. Total Inflows to LV Wellands 23. Est Inflows to Primary Wellands 24. Est. Net Gain to LV Wellands Net Gain to Primary Wellands 1,101 856 731 1,120 957 4,962 3,859 3,297 4,123 3,522 0 3,750 3,204 0 25.636 1,534 972 26.636 1,534 972 27.544 1,998 -1,206		17.4%	17.4%	17.4%	22.8%	22.8%		
22. Est. Total Inflows to LV Welfands 4,962 3,859 3,297 4,123 3,522 0 23. Est Inflows to Primary Welfands 4,595 3,574 3,053 3,750 3,204 0 24. Est. Nel Gain to LV Welfands 2,636 1,534 972 2,315 1,714 -1,808 Net Gain to Primary Welfands 3,044 2,023 1,502 2,544 1,998 -1,206		1,101	856	731	. 1,120	957	٥	
22. Est Total Inflows to LV Welfands 23. Est Inflows to Primary Welfands 24. Est Net Gain to LV Welfands 25. Set Inflows to Primary Welfands 26. Set Inflows to Primary Welfands 27. Set Inflows to Primary Welfands 28. Set Inflows to Primary Welfands 29. Set Inflows to Primary Welfan								
22. Est Total Inflows to LV Welfands 23. Est Inflows to Primary Welfands 24. Est Net Gain to LV Welfands 25. Set Inflows to Primary Welfands 26. Set Inflows to Primary Welfands 27. Set Inflows to Primary Welfands 28. Set Inflows to Primary Welfands 29. Set Inflows to Primary Welfan		4.052	3 850	3 297	4 123	3.522	0	
23. Est Inflows to Primary Wetlands 24. Est. Net Gain to LV Wetlands Net Gain to Primary Wetlands 2.636							. 0	
24. Est. Net Gain to LV Wedands Net Gain to Primary Wedands 2.530 1.502 2.544 1.998 -1.206	23. Est Inflows to Primary Wetlands	4,393	0.514	0.000	3,,,,,,			
24. Est Net Gain to Primary Wedands 3,044 2,023 1,502 2,544 1,998 -1,206	24 Ed Not Coin to IV Wellands	2,636	1,534	972	2.315	1,714	-1.808	
(Net Gail to Claim) 126 501 4 797		<u> </u>			2,544	1.998	-1.206	
Nel Gain or Loss to Truckee Riv. (AC/FT)162	tot dan is the just						4 707	
	Net Gain or Loss to Truckee Riv. (AC/FT)	-162	1,244	1,962	-126	591	4.797	